Title (en)
LOOP DETECTION IN A PASSIVE OPTICAL LAN NETWORK

Title (de)
SCHLEIFENDETEKTION IN EINEM PASSIVEN OPTISCHEN LAN-NETZWERK

Title (fr)
DÉTECTION DE BOUCLE DANS UN RÉSEAU LOCAL OPTIQUE PASSIF

Publication
EP 3697102 A1 20200819 (EN)

Application
EP 19157175 A 20190214

Priority
EP 19157175 A 20190214

Abstract (en)
The present document discloses a method for detecting loops between ports in a point-to-multipoint Gigabit Passive Optical Network, GPON, based access network. The GPON based access network may comprise an Optical Line Terminal, OLT, coupled with a plurality of Optical Network Units, ONUs. Each ONU may comprise a plurality of ports. The method may comprise a step of transmitting loop detection frames from a source port and a step of monitoring traffic that is received at a destination port. If a loop detection frame is received at the destination port, the method may further comprise a step of blocking traffic transmission and reception at the destination port.

IPC 8 full level
H04Q 11/00 (2006.01)

CPC (source: EP US)
H04B 10/0793 (2013.01 - US); **H04Q 11/0067** (2013.01 - EP); H04Q 2011/0083 (2013.01 - EP)

Citation (search report)
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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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EP 3697102 A1 20200819; **EP 3697102 B1 20211013**; US 11050486 B2 20210629; US 2020267460 A1 20200820

DOCDB simple family (application)
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